OC 721

AIRPORT OBSTRUCTION CHART
ROSS FIELD-TWIN CITIES AIRPORT, BENTON HARBOR, MICHIGAN

AIRPORT ELEVATION 643 FEET

North American Datum of 1983 (NAD 83) coordinates may be converted to chart datum coordinates for plotting on this chart by adding the following corrections to the NAD 83 coordinates.

Latitude	–00.14"
Longitude	–00.08"

These corrections represent a shift of approximately 5 meters (16 feet).

AMENDMENT DATA

See SPECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Charts – Obstruction Data Sheets," for possible corrections. National Oceanic and Atmospheric Administration (NOAA) publications are available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990.

DIMENSIONS AND ELEVATIONS ARE IN FEET

Surveyed and compiled by the National Ocean Service (NOS), U.S. Department of Commerce in accordance with specifications and standards of accuracy of the Federal Aviation Administration, Department of Transportation and NOS.

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1000 500 0 5000 10000 FEET
500 1500 3000 METERS

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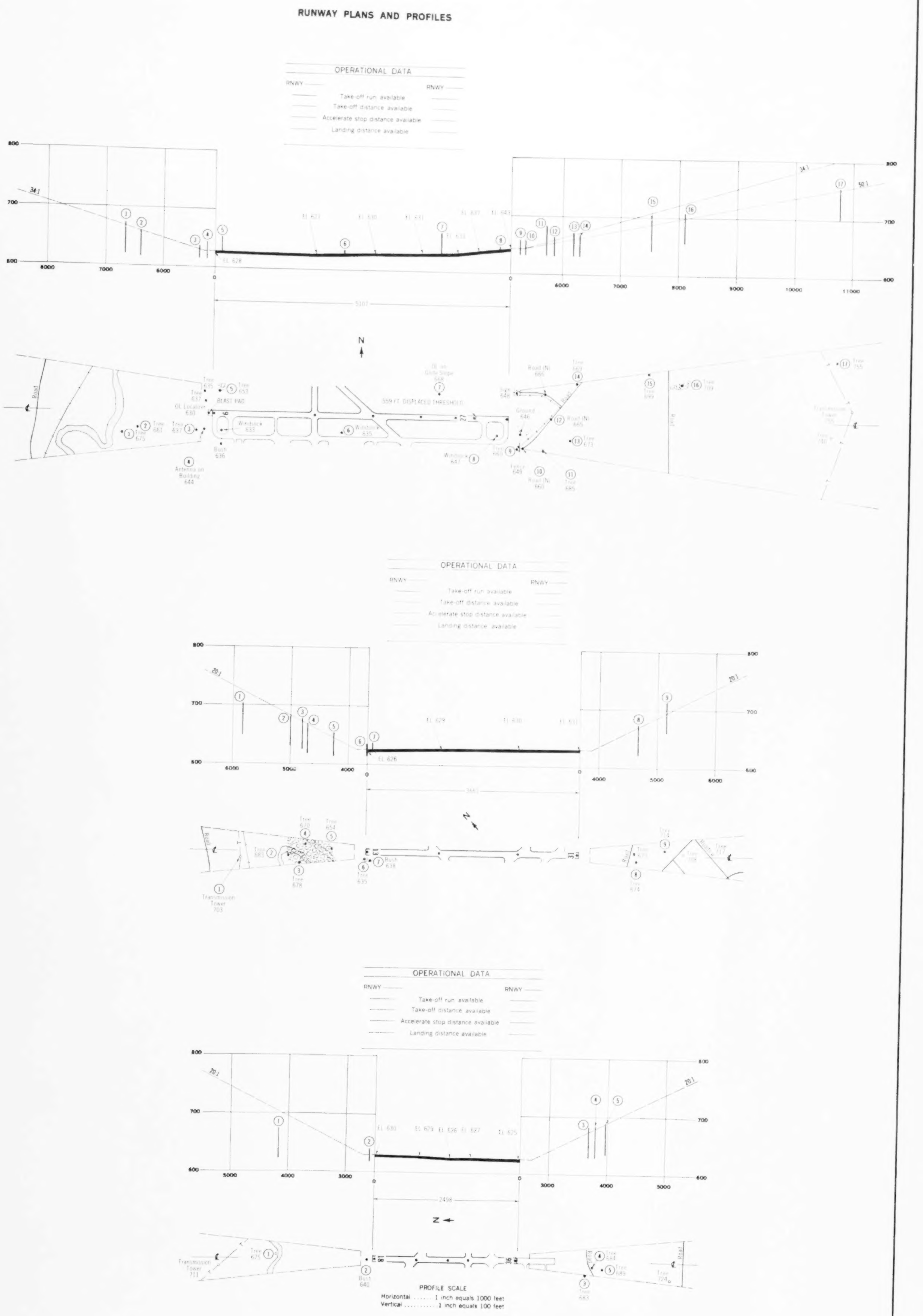
RUNWAY PLANS AND PROFILES



LEGEND

- Airport Reference Point (ARP)
- Official Airport Elevation
- With elevation : object does not penetrate specified or supplemental surface; Without elevation : position only
- Object penetrates specified surface
- Wooded area penetrates specified surface
- Ground area penetrates specified surface
- Object penetrates supplemental surface only
- Wooded area penetrates supplemental surface only
- Ground area penetrates supplemental surface only
- Water
- Threshold lights
- S .... Supplemental surface
- ( ) .... Feet above ground level
- Road(I) .... Interstate highway
- Road(N) .... Noninterstate highway
- OL .... Obstruction Light or Obstruction Lighted

AIRPORT OBSTRUCTION CHART

The Airport Obstruction Chart (OC) depicts Federal Aviation Regulations Part 77 (FAR 77) surfaces, a representation of objects that penetrate these surfaces, aircraft movement and apron areas, navigational aids, prominent airport buildings, and a selection of roads and other planimetric detail in the airport vicinity. Also included are tabulations of runway and other operational data.

OC content, format, and accuracy conform to the standards specified in FAR 77, "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications – Airport Obstruction Chart and Related Products."

HORIZONTAL SCALE	1:12,000
HORIZONTAL DATUM	North American Datum of 1927
VERTICAL DATUM	National Geodetic Vertical Datum of 1929
PROJECTION	Transverse Mercator
GRID SYSTEM	Michigan State Grid Central Zone

SPECIAL NOTES

Fifteen feet added to noninterstate road elevations
Seventeen feet added to interstate road elevations
Twenty three feet added to railroad track elevations
Transitional surface slopes are 7:1 unless otherwise indicated
Obstructing area limits are approximate

OPERATIONAL DATA

AIRPORT LOCATION POINT — LAT. 42° 08' LONG. 86° 26'
AIRPORT REFERENCE POINT — LAT. 42° 07' 42.817" LONG. 86° 25' 42.558"

RUNWAY	LATITUDE	LONGITUDE	TDZE	*GEODETIC AZIMUTH
9	42° 07' 40.449"	86° 26' 12.511"	630	270° 26' 17"
27	42° 07' 40.057"	86° 25' 04.743"		90° 27' 03"
**27	42° 07' 40.101"	86° 25' 12.165"	637	
13	42° 07' 57.466"	86° 26' 01.648"	630	311° 47' 25"
31	42° 07' 33.362"	86° 25' 25.424"	631	131° 47' 49"
18	42° 07' 56.587"	86° 25' 49.259"		359° 40' 14"
36	42° 07' 31.913"	86° 25' 49.069"		179° 40' 14"

*Geodetic azimuth reckoned clockwise from south
**Displaced threshold

VERTICAL SCALE
FEET METERS

10000 FEET
3000 METERS
STATUTE MILES
NAUTICAL MILES
1 MILE

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